

## Message Text

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ACTION EUR-12

INFO OCT-01 ISO-00 AID-05 CEA-01 CIAE-00 COME-00 EB-08  
FRB-01 INR-10 NSAE-00 SP-02 STR-07 TRSE-00 LAB-04  
SIL-01 OMB-01 NSF-02 OES-07 HEW-06 AGRE-00 INT-05  
CAB-05 DODE-00 DOTE-00 FAA-00 L-03 /081 W  
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R 241048Z FEB 78  
FM AMEMBASSY BRUSSELS  
TO SECSTATE WASHDC 5094  
INFO ALL EC CAPITALS  
USMISSION USNATO

UNCLAS SECTION 01 OF 02 BRUSSELS 03588

BRUSSELS ALSO FOR EMBASSY; PARIS ALSO FOR OECD; DEPT. PASS  
OES/APT, NSF, NBS, OSTP, OTP AND COMMERCE/OT

E.O. 11652: N/A  
TAGS: TGEN, TATT, EEC  
SUBJECT: EC COMMISSION PROPOSALS AND PROGRAMS FOR SCIENCE  
- AND TECHNOLOGY IN 1978: PROGRESS TO DATE

SUMMARY: BACKED BY POSITIVE EXPRESSIONS OF OPINION FROM  
THE EUROPEAN PARLIAMENT AND THE ECONOMIC AND SOCIAL COMMIT-  
TEE, THE EC COMMISSION HAS FORMULATED A SET OF GUIDELINES  
FOR A COMMON SCIENCE AND TECHNOLOGY POLICY AND A NUMBER OF  
SECTORAL RESEARCH PROPOSALS FOR CONSIDERATION BY THE EC  
COUNCIL IN 1978. THESE EIGHT PROGRAMS ARE DESIGNED TO  
STIMULATE RESEARCH AND DEVELOPMENT IN THE EC AND TO FURTHER  
MEMBER STATE COOPERATION IN THE IMPORTANT AREAS OF SCIENCE  
AND TECHNOLOGY. TWO RESEARCH PROGRAMS -- PUBLIC HEALTH AND  
FOODSTUFFS -- WERE RECENTLY APPROVED BY THE EC COUNCIL.  
END SUMMARY.

1. GUIDELINES FOR A COMMON SCIENCE AND TECHNOLOGY POLICY  
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- (SEE OFFICIAL JOURNAL NO. C 187-8/5/77).

THREE YEARS AFTER THE COUNCIL'S RESOLUTION (JANUARY 14,  
1974) APPROVING THE DEVELOPMENT OF A COMMON POLICY IN  
SCIENCE AND TECHNOLOGY, THE COMMISSION HAS PRESENTED A  
COMMUNICATION TO THE COUNCIL FOR THE IMPLEMENTATION OF SUCH  
A POLICY. IN ADDITION IT SETS FORTH NEW GUIDELINES

(SELECTION CRITERIA, COORDINATION METHODS, ETC.) TO GOVERN THIS POLICY DURING THE PERIOD 1977-80. IT PROPOSES THE FOLLOWING PRIORITY SECTORS FOR RESEARCH AND DEVELOPMENT AT THE COMMUNITY LEVEL: THE RESOURCES SECTOR (ENERGY, AGRI-CULTURE, RAW MATERIALS); THE ENVIRONMENT; ECONOMIC AND INDUSTRIAL DEVELOPMENT; AND LIFE IN SOCIETY. IT AFFIRMS THE IMPORTANCE OF THE WORK OF THE EUROPEAN SCIENCE FOUNDATION, STRESSES THE NEED FOR BETTER UTILIZATION AND EVALUATION OF THE RESULTS OF COMMUNITY RESEARCH, AND PROPOSES A GENERAL REVIEW OF THE COMMUNITY'S SCIENTIFIC AND TECHNOLOGICAL ACTIVITIES AT THE END OF 1979.

2. MULTI-ANNUAL RESEARCH AND DEVELOPMENT PROGRAM FOR RAW  
- MATERIALS (1978-81) (SEE OFFICIAL JOURNAL NO. C 209-  
- 9/01/77)

THE PROPOSAL RECOMMENDS A COMMUNITY FINANCIAL APPROPRIATION OF 23 MILLION UNITS OF ACCOUNT (PRESENTLY 1 UNIT OF ACCOUNT EQUALS ABOUT \$1.25) FOR WORK RELATING TO NON-FERROUS METALS AND OTHER MINERAL RESOURCES. THIS PROPOSED RESEARCH WORK WILL CONCENTRATE ON THREE AREAS:(A) THE EXPLORATION OF DEEP, HARD-TO-LOCATE DEPOSITS BY IMPROVING GEOLOGICAL KNOW-HOW AND DEVELOPING METHODS OF PROSPECTING; (B) THE PROCESSING OF MINERALS (PARTICULARLY POOR OR COMPLEX MINERALS); AND (C) SPECIAL MINING TECHNOLOGY FOR RICH BUT SMALL, DEEP DEPOSITS.

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3. TRIENNIAL PROGRAM OF RESEARCH ON RECYCLING OF PAPER

- AND PAPERBOARD (1978-80) (SEE OFFICIAL JOURNAL C 209-
- 9/01/77)

THE OBJECTIVE OF THIS RESEARCH IS TO ENCOURAGE GREATER UTILIZATION OF THE DIFFERENT METHODS OF RECYCLING PAPER AND A BETTER DISTRIBUTION OF PAPER-MAKING RAW MATERIALS IN TERMS OF PRODUCTS MANUFACTURED. WITH PROPOSED FINANCING OF 2.9 MILLION UNITS OF ACCOUNTS THE WORK WILL CONCENTRATE ON THE MARKING OF FIBERS, THE UTILIZATION OF FIBERS, THE ELIMINATION OF HARMFUL PRODUCTS FROM RECYCLED PAPERS, DE-INKING AND THE TREATMENT OF PAPER RECYCLING EFFLUENTS, AND HEALTH PROBLEMS CAUSED BY THE USE OF RECYCLED FIBERS.

4. TRIENNIAL PROGRAM FOR RESEARCH IN URANIUM EXPLORATION  
- AND MINING (1978-80) (SEE OFFICIAL JOURNAL NO. C 226-  
- 9/22/77)

A TOTAL OF 4.65 MILLION UNITS OF ACCOUNTS HAVE BEEN PROPOSED TO SUPPORT RESEARCH CONTRACTS (INDIRECT ACTIONS) FOR NEW EXPLORATION TECHNIQUES (E.G., DETECTION OF GAMMA RAYS

AND STUDY OF FAVORABLE GEOLOGICAL CONTENTS FOR METALLOGENIC CLASSIFICATION AND THE EXPLOITATION OF CERTAIN URANIUM-BEARING RESOURCES (E.G., PROCESSING URANIUM FROM SEA WATER).

5. AERONAUTICAL RESEARCH PROGRAM (SEE OFFICIAL JOURNAL

- C 210-9/02/77)

THE RESEARCH PROPOSAL COVERS HELICOPTERS AND AIRFRAMES. FOR HELICOPTERS, THE OBJECTIVES ARE TO SAVE ENERGY BY IMPROVING THE AERODYNAMIC BEHAVIOR OF THE MAIN ROTOR AND OF THE FUSELAGE; PROTECT THE ENVIRONMENT BY RESEARCHING

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WAYS OF REDUCING EXTERNAL NOISE; TO STUDY THE BEHAVIOR OF MATERIALS AND STRUCTURES IN ORDER TO IMPROVE OPERATIONAL SAFETY; TO INCREASE THE OPERATIONAL CAPACITIES OF HELICOPTERS BY REDUCING CABIN NOISE AND VIBRATION; TO DEVELOP INSTRUMENT-CONTROLLED FLYING; AND TO STUDY SWIFT VERTICAL TAKE-OFF EQUIPMENT. FOR AIRPLANES, TWO OBJECTIVES ARE PROPOSED: (A) TO INCREASE THE STRUCTURAL LIFE-SPAN OF AIRFRAMES THROUGH IMPROVED KNOWLEDGE OF METAL FATIGUE PHENOMENA AND RUPTURE MECHANISMS; AND (B) TO IMPROVE NON-DESTRUCTIVE CONTROL TECHNIQUES APPLIED TO METALLIC STRUCTURES AND COMPOSITE MATERIAL STRUCTURES. THE PROPOSED FINANCING OF THIS PROGRAM IS 36.7 MILLION UNITS OF ACCOUNT OVER A FOUR-YEAR PERIOD.

6. BIENNIAL DEVELOPMENT PROGRAM FOR LARGE URBAN CENTERS

- (SEE OFFICIAL JOURNAL C 199-8/20/77)

THE PURPOSE OF THIS CONCERTED ACTION PROGRAM IS TO PROVIDE  
A COMPARATIVE ANALYSIS OF THE CAUSES, DYNAMICS, AND CON-  
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SEQUENCES OF DEVELOPING LARGE URBAN CENTERS WITHIN AND  
ACROSS THE BORDERS OF THE MEMBER STATES. A SUM OF 200,000  
UNITS OF ACCOUNT WOULD BE ALLOCATED TO COORDINATION EFFORTS  
BY THE EC.

7. RESEARCH PROGRAM IN MEDICINE AND PUBLIC HEALTH (SEE

- OFFICIAL JOURNAL NO. C 208-8/31/77)

APPROVED BY THE EC COUNCIL ON FEBRUARY 17, 1978, THE PRO-  
GRAM PROVIDES 1.09 MILLION UNITS OF ACCOUNT FOR EC COORDINA-  
TION OF THREE CONCERTED ACTION PROJECTS (FULLY FINANCED BY  
THE MEMBER STATES WITH COORDINATION BY THE COMMISSION) IN  
THE AREAS OF (A) CONGENITAL ABNORMALITIES; (B) CELLULAR  
AGING; AND (C) EXTRA-CORPOREAL OXYGENATION (ARTIFICIAL  
RESPIRATION).

8. CONCERTED ACTION ON THE PHYSICAL PROPERTIES OF FOOD-

- STUFF (SEE OFFICIAL JOURNAL C 209-9/01/77)

APPROVED BY THE EC COUNCIL ON FEBRUARY 20, 1978, THIS  
PROJECT AIMS AT OBTAINING THE NECESSARY KNOWLEDGE FOR THE  
FORMULATION OF ADDITIONAL RESEARCH PROGRAMS CONCERNING THE  
FOOD INDUSTRY OF THE COMMUNITY. A SUM OF 250,000 UNITS OF  
ACCOUNT IS ALLOCATED FOR COORDINATION BY THE COMMISSION OF  
THE RESEARCH WORK CARRIED OUT BY THE MEMBER STATES AT AN  
APPROXIMATE COST OF 7 MILLION UNITS OF ACCOUNT OVER A THREE-  
YEAR PERIOD.

9. DURING THE SECOND HALF OF THIS YEAR THE COMMISSION WILL  
PROPOSE TO THE COUNCIL:

-- A SECOND SERIES OF CONCERTED ACTION PROJECTS IN THE  
MEDICINE AND PUBLIC HEALTH SECTOR, WHICH WILL BACK UP  
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THE COMMISSION'S IDEAS ABOUT FUTURE ACTION ON HEALTH  
MATTERS;

-- A FIRST MULTIANNUAL PROGRAM OF INDIRECT ACTION PROJECTS  
ON CLIMATIC DISTURBANCES, THEIR DEPENDENCE ON HUMAN

ACTIVITIES, AND THEIR EFFECTS ON THE HYDROLOGICAL CYCLE;

-- A PROJECT TO STIMULATE RESEARCH IN THE FIELD OF REAL-TIME DATA PROCESSING AND SOME LINES OF ACTION ON THE USE OF DATA-PROCESSING NETWORKS. HINTON

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## Message Attributes

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**Errors:** N/A  
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**Review Markings:**  
Sheryl P. Walter  
Declassified/Released  
US Department of State  
EO Systematic Review  
20 Mar 2014  
**Markings:** Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014